

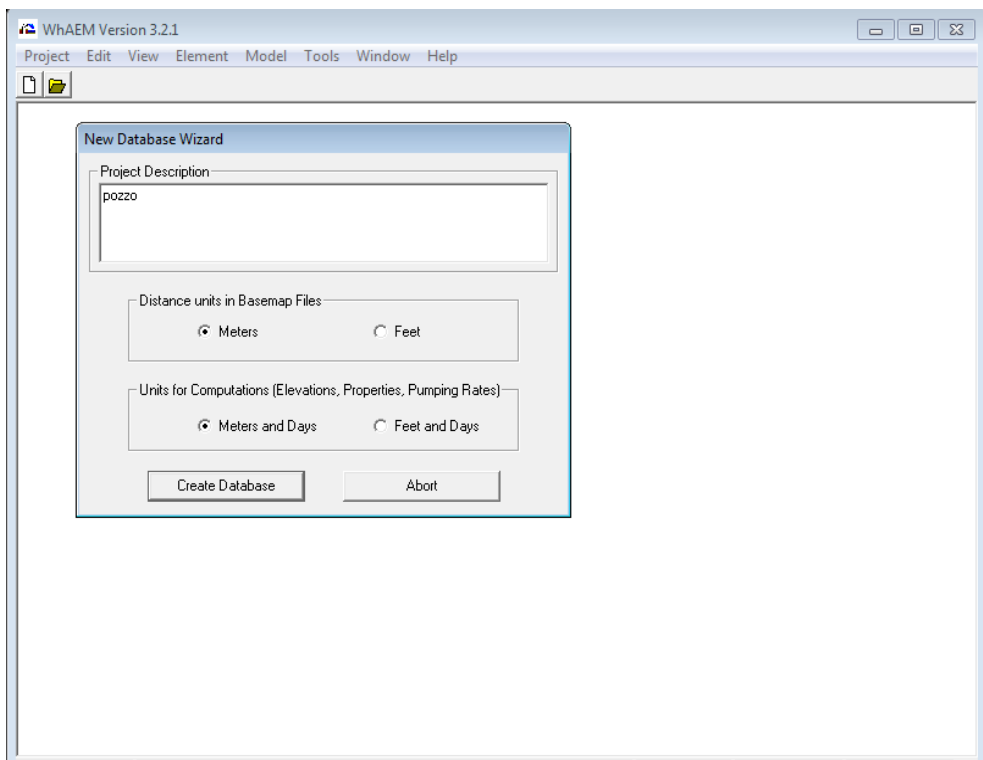
WhAEM 2000 – OPERAZIONI PER IL DIMENSIONAMENTO DI UN POZZO BARRIERA

(Beretta G.P., 2013)

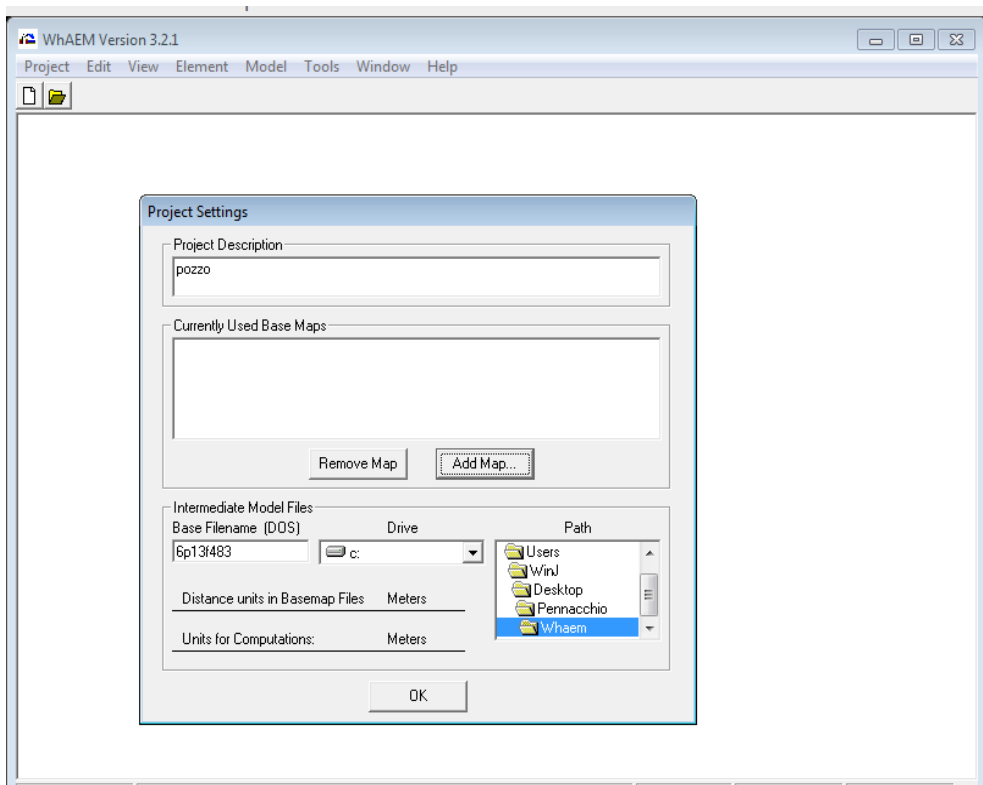
Esercizio 1 – Dati

- 1) File -> New Database -> Create Database
Add Map -> select "carta.tif" -> Ok
- 2) Model -> Setting...
Insert the following data
Base elevation 300 m
Thickness 20 m
Hydraulic Conductivity 43 m/d
Porosity 0.2
OK
- 3) Element -> Uniform Flow
Click Yes
Click on a point where you know the hydraulic head
Reference head 320 m
Regional Gradient 0.002
Orientation -90°
OK
- 4) Element -> New -> Well (X=1511270.27419245 Y=5062589.72579367)
Select the point where you want to put the well
Insert the label name (P1)
General
If you want to move the well change the coordinates otherwise insert the following data
Discharge 10 m³/d
Radius 0.2 m
Other
Tick Trace particles from well and insert number of particles (20) and the starting elevation (310 m)
OK
- 5) Model -> Solve or press F9

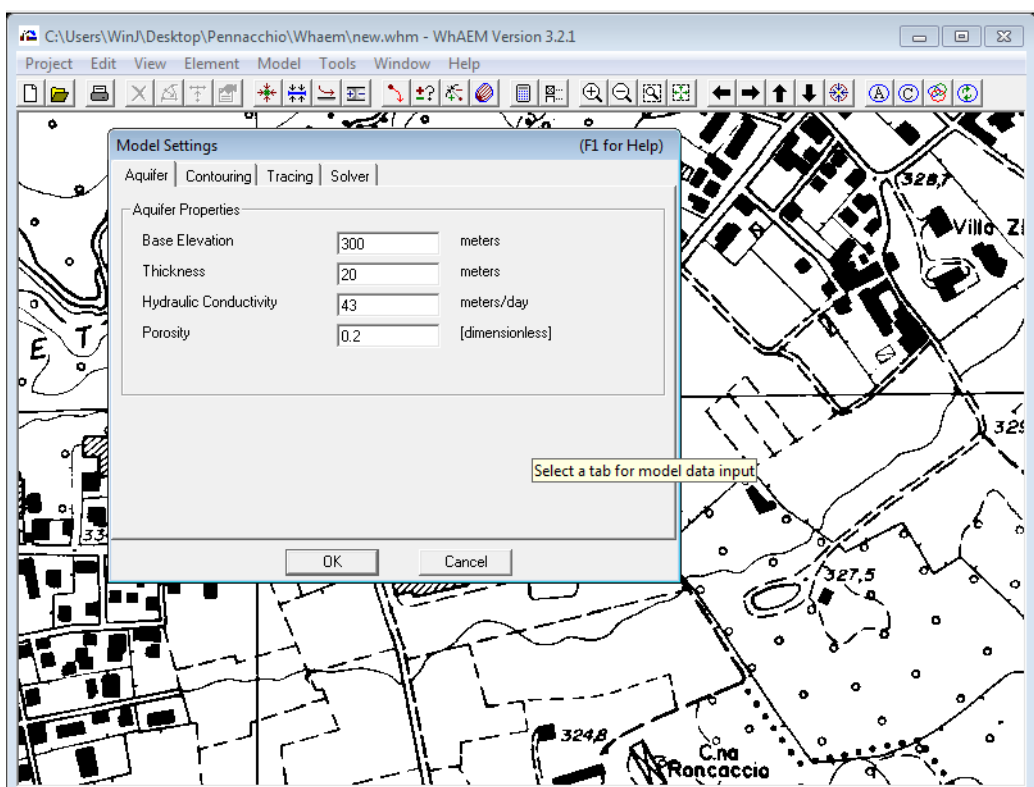
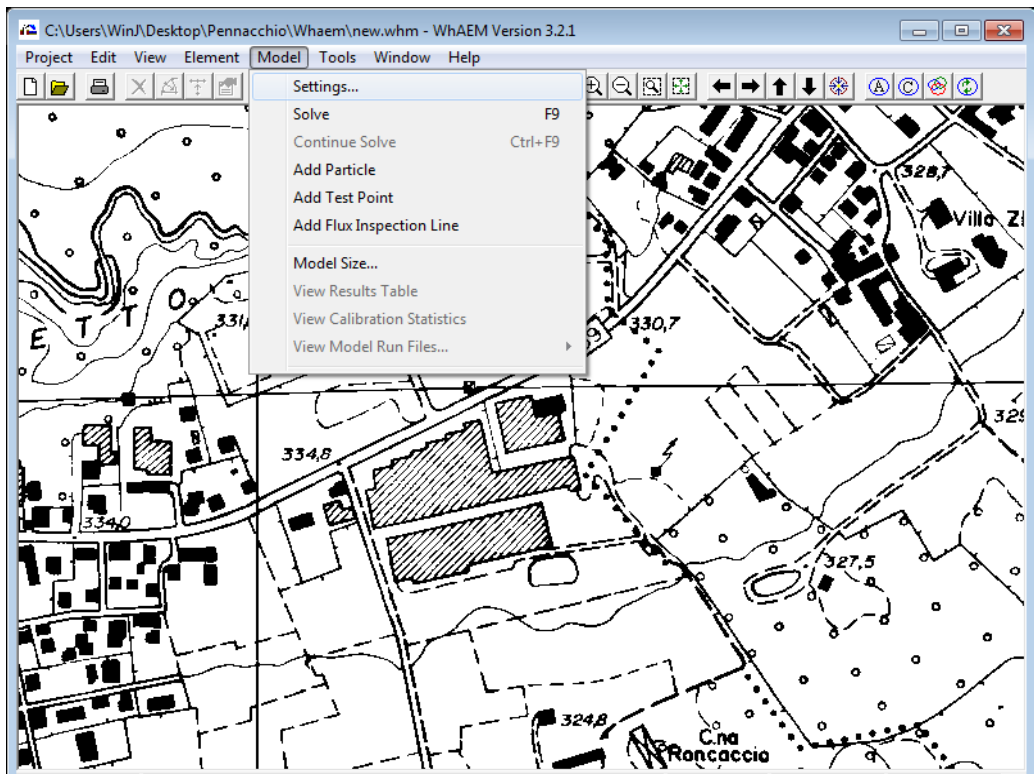
1 Creazione del file

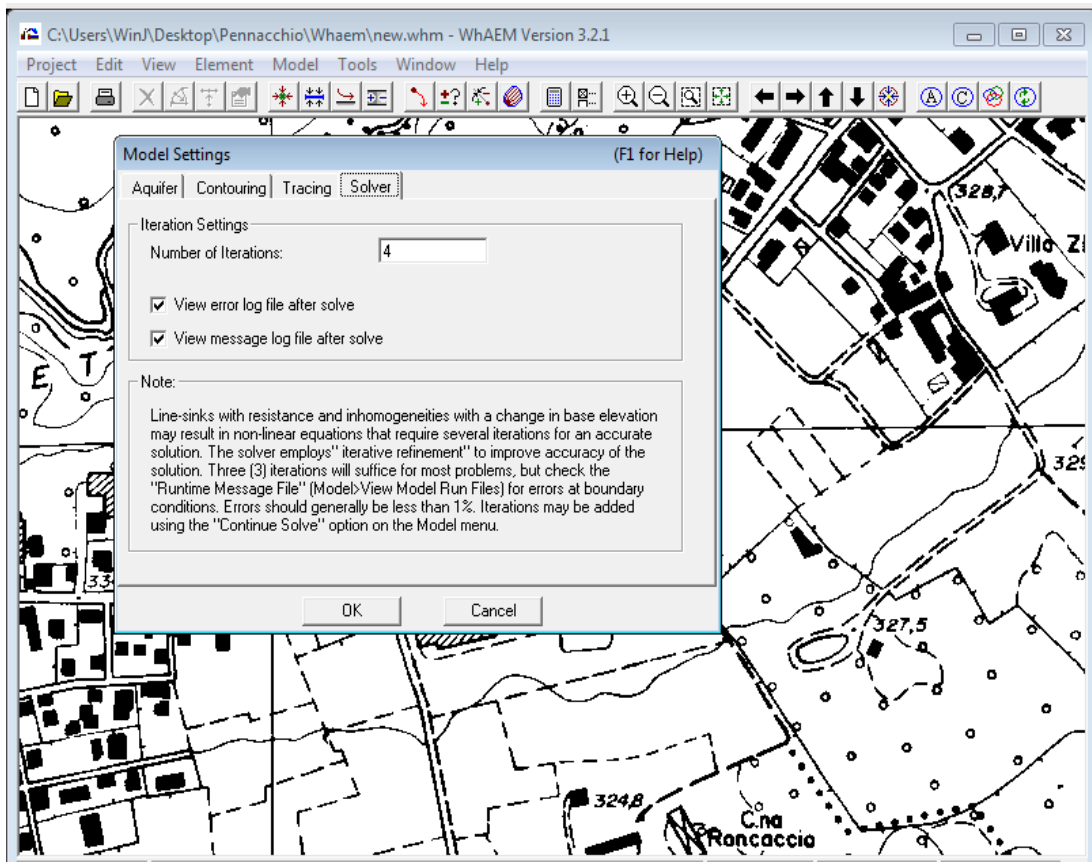
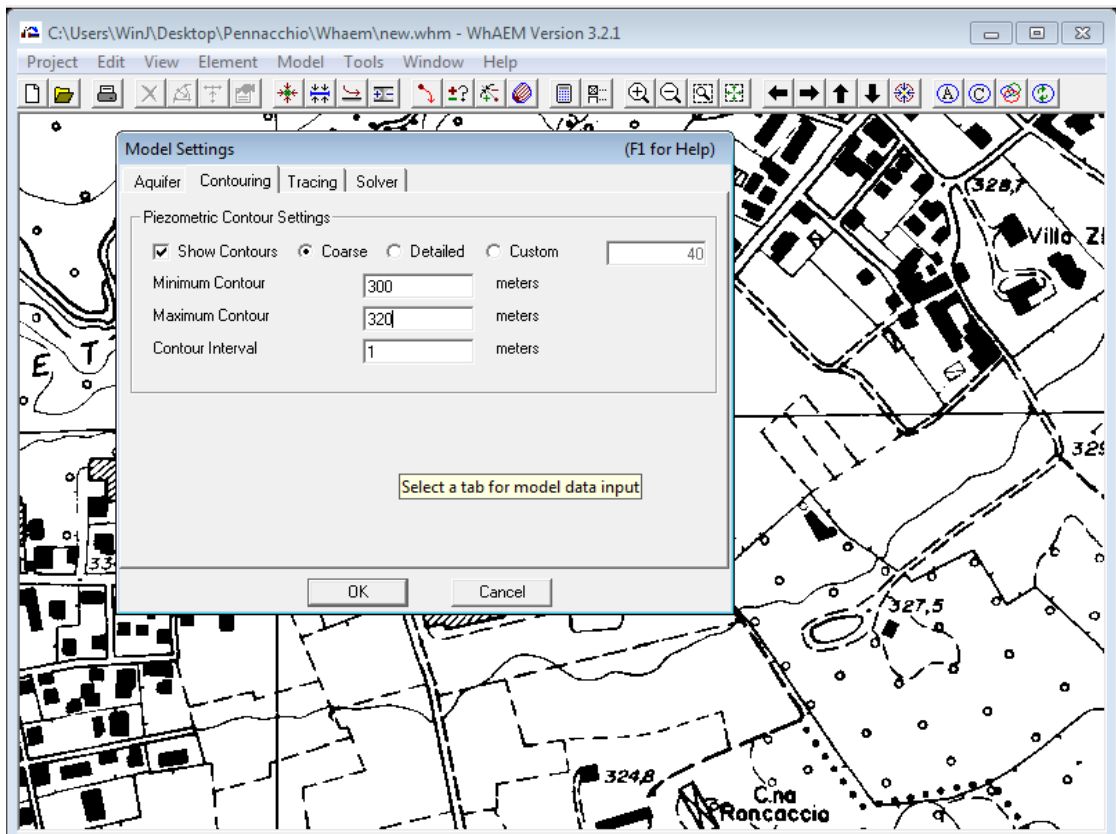


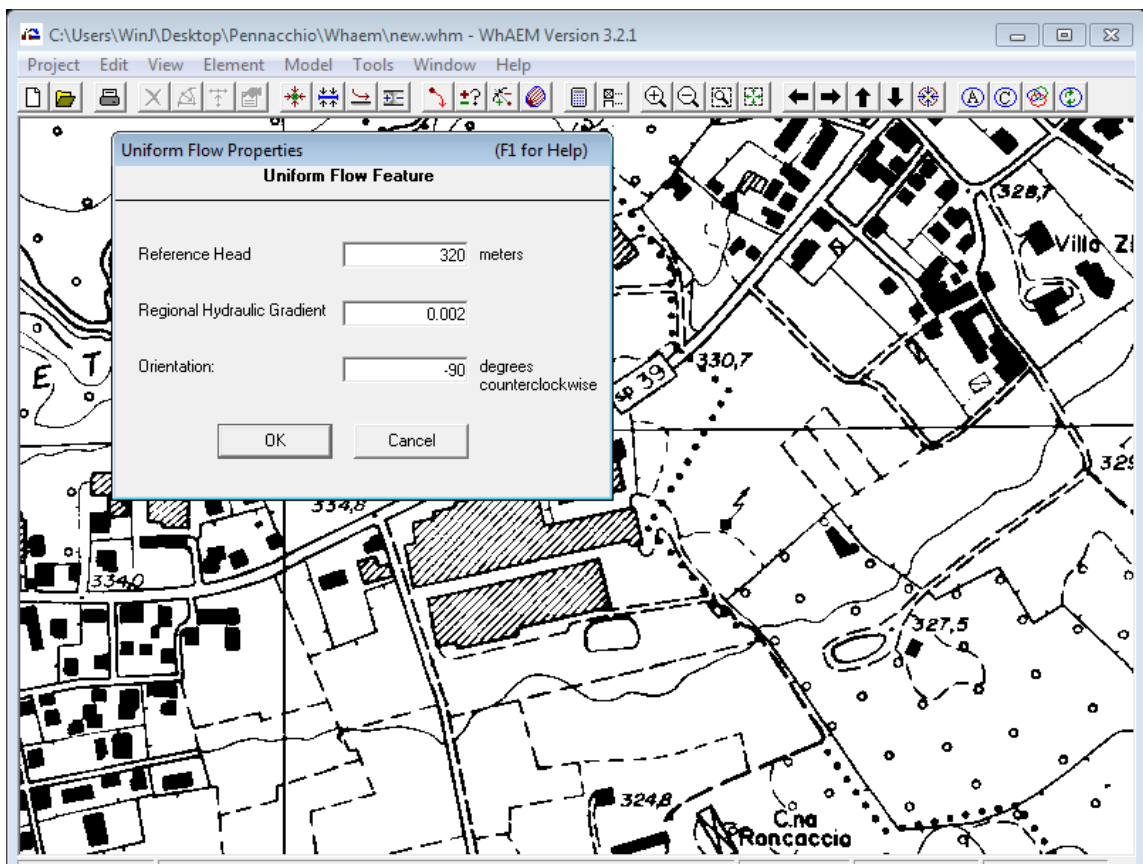
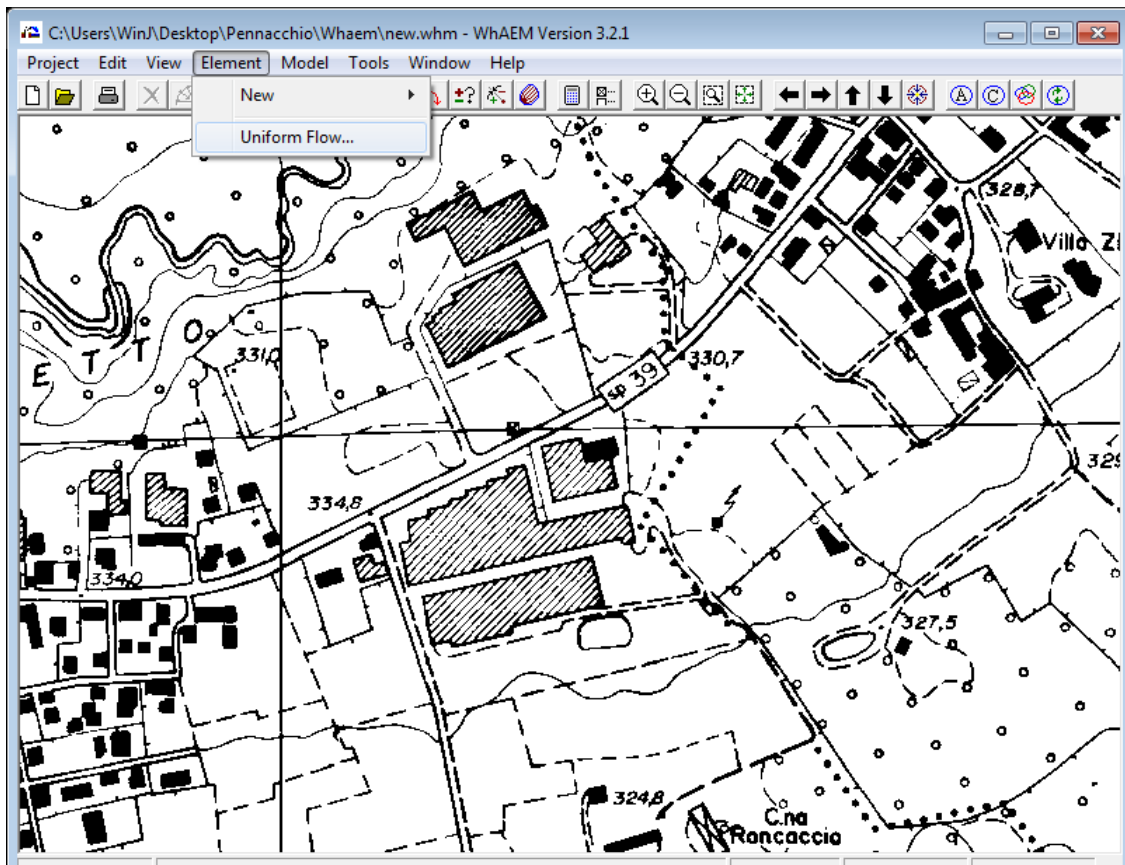
2 Aggiungere la mappa



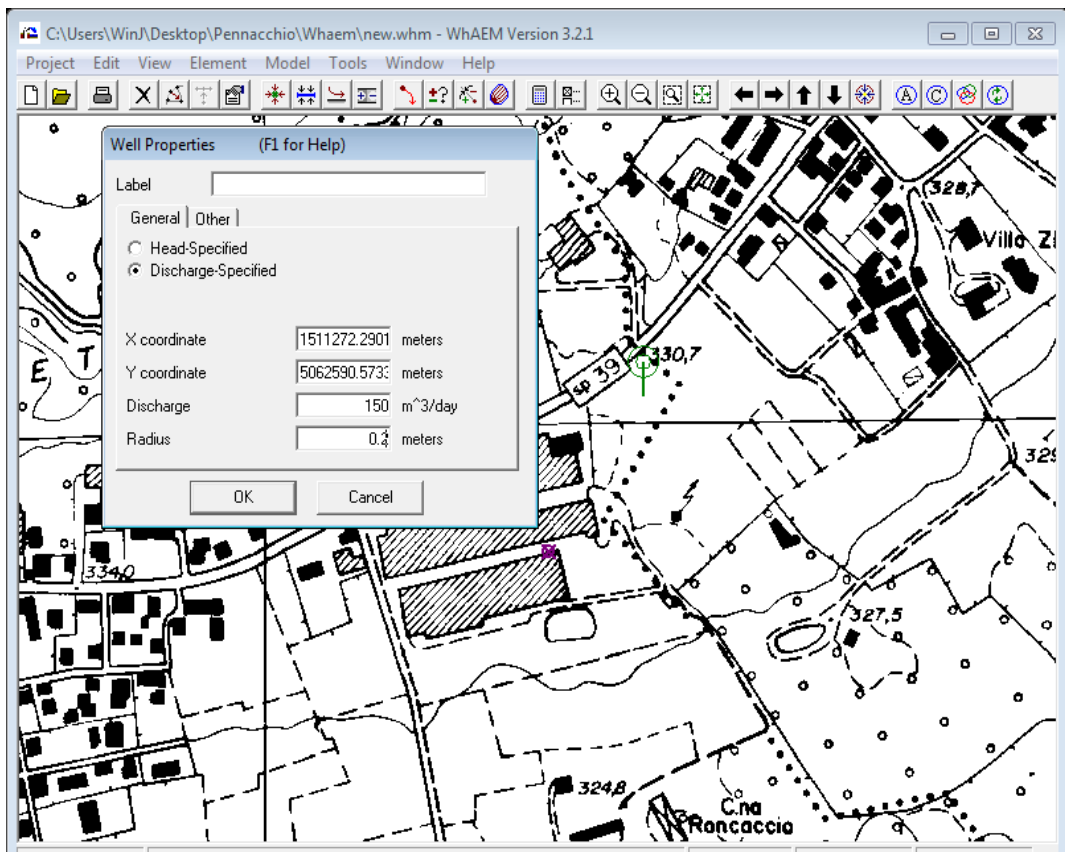
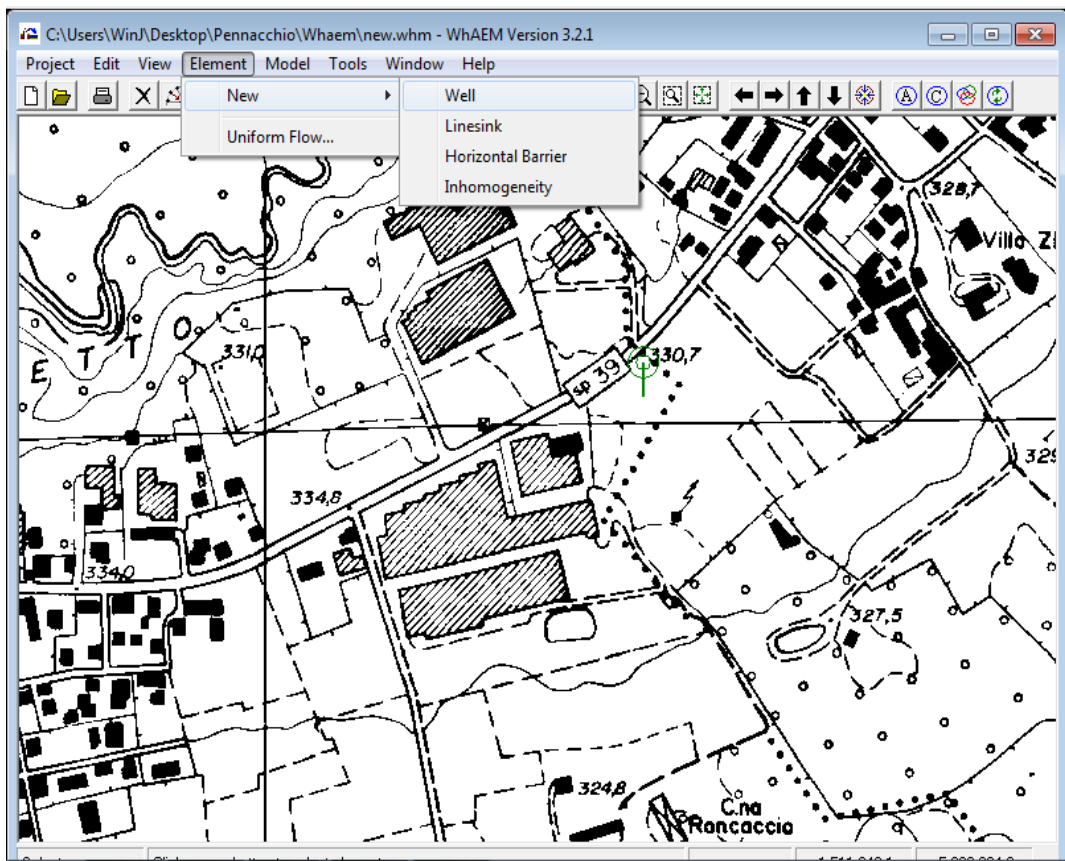
3 Impostare le proprietà idrogeologiche del sito

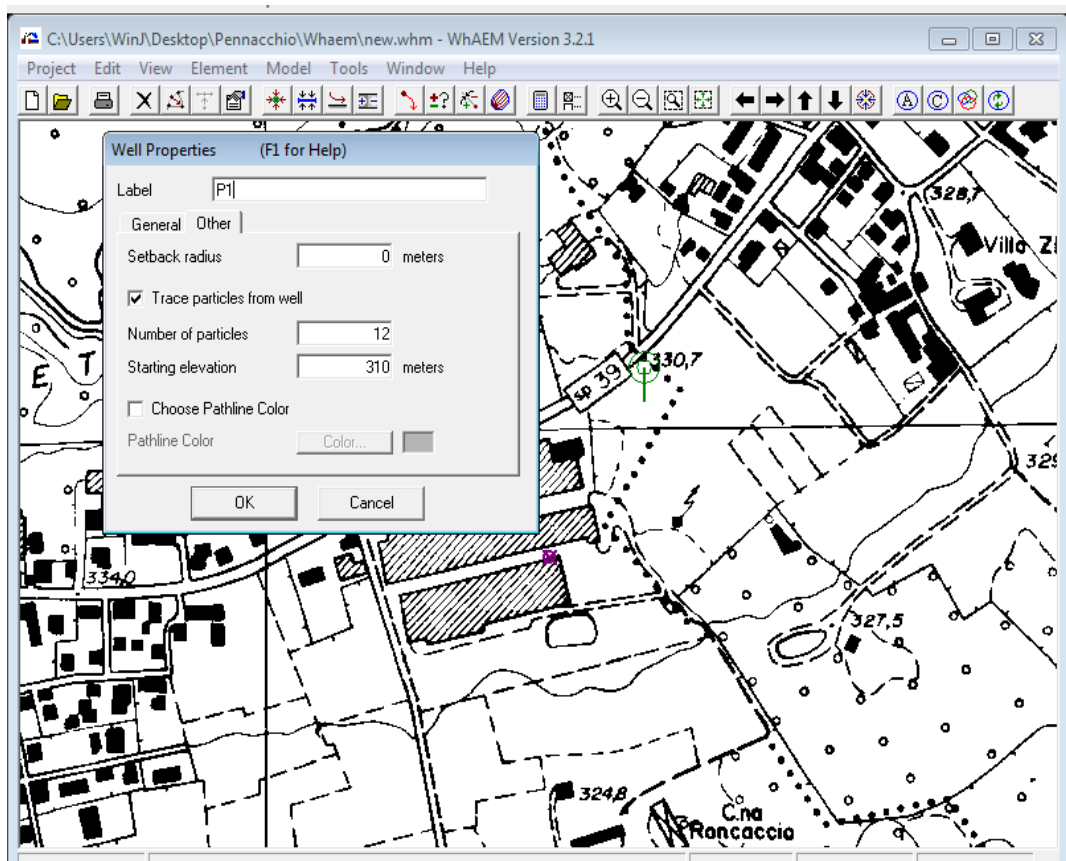






4 Inserire i pozzi





5 Risolvere il problema

